## EXHIBIT 447

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Confidential - Subject to Protective Order

## IN THE UNITED STATES DISTRICT COURT FOR THE NORTHERN DISTRICT OF OHIO EASTERN DIVISION

IN RE NATIONAL : MDL No. 2804

PRESCRIPTION OPIATE : CASE NO. 17-MD-2804

LITIGATION : (DAP)

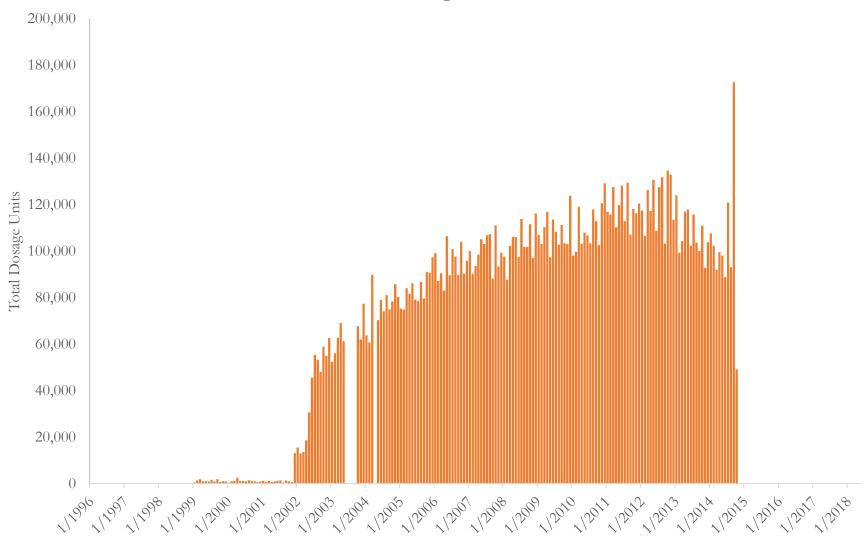
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EXPERT REPORT OF CRAIG J. MCCANN, PH.D., CFA March 25, 2019

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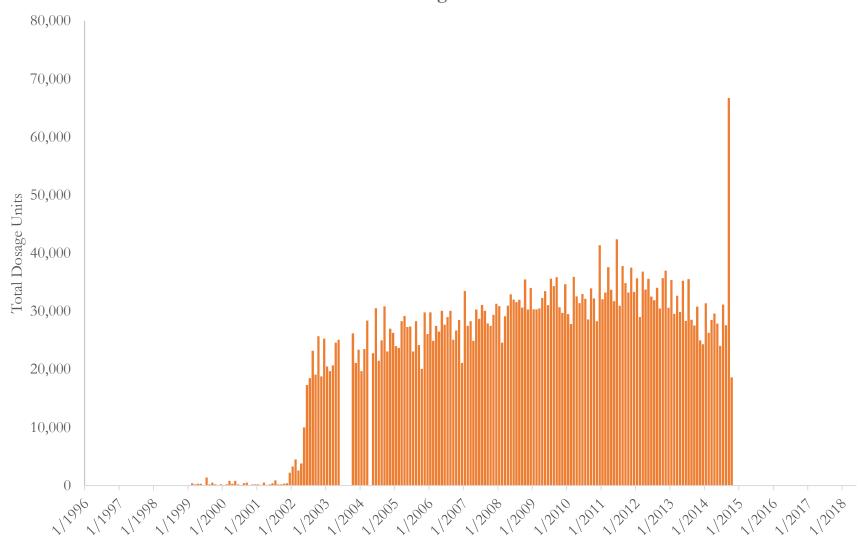
A. State Hydrocodone and Oxycodone MME Per Capita, 1997-2017

Discount Drug Mart Hydrocodone Distribution into Cuyahoga County, OH Total Dosage Units



Data source: ARCOS (2006-2014) and defendant transactional data

Discount Drug Mart Hydrocodone Distribution into Summit County, OH
Total Dosage Units



Data source: ARCOS (2006-2014) and defendant transactional data